

SHASOKUKOTSKIY, Yuriy Aleksandrovich, prof.; BARCHENKO, Liliya
Ivanovna, kand. med. nauk; GENIS, Yevgeniya Lanilovna,
kand. med. nauk; KAVETSKIY, R.Ye., red.; BOYKO, P.V.,
tekhn. red.

[Longevity and physiological senility] Dolgoletie i fizio-
logicheskaya starost'. Kiev, Gosmedizdat USSR, 1963. 217 p.
(MIRA 17:1)

*

GENISHTA, L.N.; RATTEL', K.N.

Windowless, one-story buildings for new textile enterprises.
Tekst. prom. 19 no.11:7-11 N '59. (MIRA 13:2)

1.Glavnyye spetsialisty Gosudarstvennogo proyektnogo instituta No.1.
(Textile factories)

GENISHTA, L.N., inzh.

One-story textile factories without skylights. Prom. stroi. 37
no.9:11-17 S '59. (MIRA 13:1)

1.Glavnyy konstruktor Gosudarstvennogo proyektnogo instituta No.1.
(Textile factories)

GEMISHTA, L.N.

Designing reinforced concrete columns for an industrial building allowing for the turning of foundations. Bet. 1 zhel.-bet. no.7:330-334 J1 '61. (MTPA 14:7)

1. Glavnyy konstruktor Gosudarstvennogo proyekt'nogo instituta No.1.
(Columns, Concrete)

PA 150T106

USSR/Radio - Vacuum Tubes, Kinescope
Circuits, Oscillator

Oct 49

"Kinescope Supply from a High-Frequency Generator,"
V. Genishta, L. Fedorov, 3 pp

"Radio" No 10

Kinescope supply is usually obtained from a sweep
generator or a high-voltage rectifier instead of a
high-frequency generator because of difficulties
involved in making high-quality coils for the latter.
Gives construction details and specifications for the
oscillator circuit, which is similar to the usual
self-excited oscillator circuit with a feedback

USSR/RADIO - Vacuum Tubes, Kinescope
(Contd) 150T106

transformer. A 6P3 or a 6V6 and a 1T51 rectifier
are used in circuit described.

150T106

GENISHTA, Ye. N.

Apr 1946

USSR/Radio Receivers, Battery
Vacuum Tubes, Receiving

"Rodina," E. N. Genishta, 7 pp

"Radio" No 1

New six-tube, three-band, battery set produced by
Factory No 528 of the Ministry of Electrical Indus-
tries. Frequency range is 2,000-733 meters on long
wave, 545-200 meters on medium wave and 32.6-24.6 on
short wave. Tubes include types 2Zh2M RF, CB-242
mixer, two 2K2M IFs in series, 2Zh2M detector and
audio amplifier, 2Zh2M output. Graphs, tables, and
diagrams.

20T80

ANDREYEV, Igor' Vasil'yevich, BERG, A.I., red.; BURLYAND, V.A., red.;
VANYAYEV, V.I., red.; GENISHTA, Ye.N., red.; DZHIOT, I.S., red.;
KANAYEVA, A.M., red.; KRENKEL', E.T., red.; KULIKOVSKIY, A.A., red.;
SMIRNOV, A.D., red.; TARASOV, F.I., red.; CHECHIN, P.O., red.; SHAMSHUR,
V.I., red.; GANZBURG, M.D., red.; MEDVEDEV, L.Ya., ~~red.~~

[Cabinet designs for radio receivers] Vneshee ofornenie priemnika.
Moskva, Gos. energ. izd-vo, 1958. 46 p. (MIRA 11:8)
(Radio--Receivers and reception)

Gen. 1958, 61 p.
MEERSON, Anatoliy Meyerovich, BERG, A.I., red.; BURGLYAND, V.A., red.;
VANEYEV, V.I., red.; GENISHTA, Ye.N., red.; DZHIOT, I.S., red.;
KANAYEVA, A.M., red.; KREMKEL', E.T., red.; KULIKOVSKIY, A.A., red.;
SM IRNOV, A.D., red.; TARASOV, F.I., red.; CHECHIK, P.O., red. [deceased]
SHAMSHUR, V.I., red.; BORUNOV, N.I., tekhn. red.

[Testing radio tubes] Ispytanie radiolamp. Moskva, Gos. energ.
izd-vo, 1958. 61 p. (Massovaya radiobiblioteka . no.303) (MIRA 11:9)
(Electron tubes--Testing)

KUGUSHEV, Aleksandr Mikhaylovich,; BERG, A.I., red.; BURDEYNYI, F.I., red.;
BURLYAND, V.A., red.; VANFYEYEV, V.I., red.; GENISHTA, Ya.M., red.;
DZHIGIT, I.S., red.; KANAYEVA, A.M., red.; KRENKEL', E.T., red.;
KULIKOVSKIY, A.A., red.; SMIRNOV, A.D., red.; TARASOV, F.I., red.;
CHECHIK, P.O., red.; SHAMSHUR, V.I., red.; BORUNOV, N.I., tekhn. red.

[Modern radio electronics] Sovremennaya radioelektronika. Moskva,
Gos. energ. izd-vo, 1958. 62 p. (Massovaya radiobiblioteka, no. 300).
(MIRA 11:11)

(Electronics)

SOBOLEVSKIY, Anatoliy Georgiyevich,; BERO, A.I., red.; BURLYAND, V.A., red.;
VANEYEV, V.I., red.; GEMISHTA, Ye.N., red.; DZHIGIT, I.S., red.;
KANAYEVA, A.M., red.; ~~KORNEV~~, E.F., red.; KULIKOVSKIY, A.A., red.;
SMIRNOV, A.D., red.; TARASOV, F.I., red.; SHAMSHUR, V.I., red.;
KRIBITSKIY, B.Kh., red.; LARIONOV, O.Ye., tekhn. red.

[Pulse techniques] Impul'snaya tekhnika. Moskva, Gos. energ. izd-vo.
1958. 167. (Massovaya radiobiblioteka, no. 308). (MIRA 11:11)
(Pulse techniques(Electronics))

POPOV, Petr Aleksandrovich; BERG, A.I., red.; BURDENYY, P.I., red.;
BURLYAND, V.A., red.; VANEYEV, V.I., red.; GENISHEV, Ye.N.,
red.; DZHIGIT, I.S., red.; KAMAYEVA, A.M., red.; KREMKEL,
E.T., red.; KULIKOVSKIY, A.A., red.; SMIRNOV, A.D., red.;
TARASOV, P.I., red.; SHAMSHUR, V.I., red.; KULIKOVSKIY, A.A.,
red.; LARIONOV, G.Ye., tekhn. red.

[Design of audio frequency transistor amplifiers] Raschet
tranzistornykh usilitelei zvukovoi chastoty. Moskva, Gos.
energ. izd-vo, 1960. 103 p. (Massovaya radiobiblioteka, no.378)
(MIRA 14:5)

(Transistor amplifiers)

UMNOVA, N.I.; KOCHETOVA, V.I.; GENISHTA, Ye.N.

Malinovska sediments of the lower Carboniferous in the southern wing of the Moscow Basin. Izv.AN SSSR. Ser.geol.27 no.2:97-103 F '62. (MIRA 15:1)

1. Geologicheskoye upravleniye tsentral'nykh rayonov
Glavnogo upravleniya geologii i okhrany neдр pri Sovete
Ministrov RSFSR, Moskva.
(Moscow Basin—Coal geology)

AUTHORS:

GENISHTA
Yefroymovich, Yu. Ye., Candidate of 105-58-5-1/28
Technical Sciences, Kotikov, A. M., Engineer,
Stiop, Ya. I., Engineer, Genishta, I. S., Engineer,
Tikhmenev, V. B., Engineer

TITLE:

A Calculating Machine for Controlling Arc-Furnace Duty
(Vychislitel'noye ustroystvo dlya upravleniya rezhimom
dugovoy pechi)

PERIODICAL:

Elektrichestvo, 1958, Nr 5, pp. 15-20 (USSR)

ABSTRACT:

At first an analysis of the controlling method of the electric operation of arc-furnaces according to the ratio between amperage and voltage in the phase is given, which now is everywhere in use. It is shown that it is useful to abandon this method and to change over to the controlling method by means of calculating machines. In these the power of effective electric energy supplied to the furnace is controlled. This method is based on the maintainance of the equations (1), (2) and (3). A scheme for an electromechanical variant of a calculating machine for one of the furnace phases is given. By means of a

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A Calculating machine for Controlling Arc-Furnace Duty 105-58-3-4/28

diagram the controlling character in the absence and in the presence of the calculating devices is illustrated. The contradiction between the necessity of a quick removal of the produced deviation of power from the nominal value - and the necessity of a relatively slow compensation of the produced deficiency easily can be removed, when the employed electrodynamic controller is characterized by a maximum high-speed effect, whilst the velocity of the transients (determined by the effect of the calculating machine, is tuned in within the demanded limits at the expense of controlling the amplifier factor of the integrating member. The calculating device reacts to all excitations causing a deviation of the power from its given mean value. The practical experience with the calculating machine shows that during melting at $t = 10$ sec the variation of the real current caused by excitations does not exceed $\pm 10\%$ of the arc-current mean value. The one-year lasting test operation of the calculating machine showed that during complicated melting processes the machine guarantees an energy supply with an error not exceeding 2% . By the aid of the

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A Calculating Machine for Controlling Arc-furnace Duty 105-58-5-4/28

calculating machine it was possible to diminish the asymmetry of electroenergy distribution between the phases of a 20 t furnace by the 2,5-fold. The following persons took part in creating the electron calculating machine: A. A. Fel'dbaum, Doctor of Technical Sciences, L. N. Fitsner, Candidate of Technical Sciences, Yu. M. Alyshev, Engineer, L. I. Shevchenko, Engineer. There are 5 figures and 5 references, which are Soviet.

ASSOCIATION: Tsentral'naya laboratoriya avtomatiki tresta "Energochermet" (Central Laboratory for Automation of the "Energochermet" Trust)

SUBMITTED: May 27, 1957

AVAILABLE: Library of Congress

Card 3/3 1. Electric furnaces--Control systems 2. Mathematical computers--Applications

YEFREYMOVICH, Yu.Ye.; MARTYUSHKIN, A.M.; TSUKANOV, V.P.; SHIKOV, I.P.;
NIKONOV, A.V.; KABLUKOVSKIY, A.F.; KOTIKOV, A.N.; KOLCHANOV, V.A.;
VINogradov, V.M.; GENISHT, Ye.S.

VU-5086 computer and high-speed electronic automatic controller for
regulating power supply to electric arc furnaces. Prem. energ. 18 no.7:
7-8 J1 '63. (MIRA 16:9)

(Electric furnaces)

GENITSINSKIY, A.G.

ORBELI, L.A., akademik, PAVLOVSKIY, Ye.M., akademik, ENGEL'GARIT, V.A.,
akademik, BARANOV, P.A., CHERNIGOVSKIY, V.N., GENITSINSKIY, A.G.
FRANK, G.M.

Dmitrii Nikolaevich, Masonov; obituary. Biofizika 3 no.3:257-258
'58 (MIRA 11:6)

1. Chlen-korrespondent AN SSSR (for Baranov, Chernigovskiy)
2. Chlen-korrespondent AMN SSSR (for Genitsinskiy, Frank).
(MASONOV, DMITHII NIKOLAEVICH, 1895-1957)

GENITSKAYA, L. K.

"On the Origin of Petroleum," Priroda, No. 4, pp 13-20, Moscow-Leningrad, 1946.

U-1731, 6 Mar 52

GENIUS, J.

"Economizing Materials in Rural Building." p. 5, (BUDOWNICTWO WIEJSKIE, Vol. 5, no.1 Jan./Feb. 1953, Warszawa, Poland)

SO: Monthly Lists of East European Accessions, LC, Vol. 3, no. 5, May 1954, Uncl.

GENIUSZ, J.

"Surveying building work" p. 7 (budownictwo wiejskie, Vol. 5, No. 3, May/June, 1953, Warszawa)

SO: Monthly List of East European Vol. 3, No. 3 Accessions Library of Congress, March 1953⁴, Uncl.

GENIUSZ, J.

"Planning Construction Investments for 1955," P. 18. (BUDOWNICTWO WIEJSKIE,
Vol. 6. No. 5, Sept./Oct. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

GENIUSZ, J.

The status of the construction of farm buildings on collective farms.

p. 3 (Budownictwo Wiejskie) Vol. 7, No. 4, July/Aug., 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

GENIUSZ, J.

Production of building elements from local raw materials in villages. p. 9
(Budownictwo Wiejskie, Vol. 8, no. 2, Jan. 1956, Warszawa)

SO: Monthly List of East European Accessions (SEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

GENIUSZ, J.

GENIUSZ, J. Realization of the resolutions of the 2d Conference of the Representatives of
Collective Farms. p. 24

Vol 8, no. 11, Nov. 1956
BUDOWNICTWO WIEJSKIE
AGRICULTURE
Warszawa, Poland

So: East European Accession Vol 6, no. 3, March 1957

GENIUSZ, J.

Construction on collective farms and its development in People's Poland. p. 5.

BUDOWNICTWO WIEJSKIE. (Ministerstwo Rolnictwa i Ministerstwo Panstwowych Gospodarstw Rolnych) Warszawa, Poland. Vol. 11, no. 7, July 1959.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960.
Uncl.

GENIYEV, A. M.

Geniyev, A. M. - "Problems for the improvement of graduate designing," Sbornik trudov
Stroit. in-ta Mosk, soveta, Issue 2, 1948, p. 215-22

SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'Nekht Statey, o. 5, 1949).

GENIYEV, A.M.

The following is a list of the names of the authors of the books and articles mentioned in the text. The names are listed in the order in which they appear in the text. The names are listed in the order in which they appear in the text.

Streletskiy, M. S.	"Steel Construction"	Moscow construction Engineering
Geniyev, A.M.	(textbook and edition)	Institute named V.V. Kuybyshev
Baldin, V. A.		
Belenya, Ye. I.		
Lessig, Ye. M.		
Tubin, S.M.		

GENIYEV, A.N.

SOV/5854

PHASE I BOOK EXPLOITATION

Streletskiy, Nikolay Stanislavovich, Corresponding Member, Academy of Sciences USSR, Professor, Member of the Academy of Construction and Architecture of the USSR; A. N. Geniyev, Professor; Ye. I. Belenya, Doctor of Technical Sciences, Professor; V. A. Baldin, Candidate of Technical Sciences, Docent; and Ye. N. Lessig, Candidate of Technical Sciences, Docent

Metallicheskiye konstruktssii (Metallic Structures) 3rd ed., rev. Moscow, Cosstroyizdat, 1961. 776 p. Errata slip inserted. 70,000 copies printed.

Scientific Ed.: S. M. Tubin, Candidate of Technical Sciences; Ed. of Publishing House: T. V. Goryacheva; Tech. Ed.: P. G. Gilenson.

PURPOSE: This book was approved by the Ministry of Higher and Secondary Specialized Education USSR as a textbook for civil engineering schools of higher education; it may also be used as a manual by engineers and aspirants.

COVERAGE: The following basic problems in designing metallic structures are discussed: the load-carrying ability of the material and joints; calculation

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buildings of constructional elements and complexes of industrial fundamentals of the economics of steel structures and of the use of structural aluminum. Modern types of prestressed constructions (metallic, steel-reinforced concrete, steel-rope, etc.) are also considered. The limit-state methods used are in accordance with SNiP; substantiation for new engineering design specifications is given. The book was written as follows: N. S. Streletskiy, the Introduction and Chs. I, II, III, V, VI, and XXVI; A. N. Geniyev, Ch. XI through XVII; V. A. Baldin, Ch. VIII; Ye. I. Belenya, Chs. IV, IX, X, and XVIII; and Ye. N. Lessig, Chs. VII and XIX through XXV. There are no references.

TABLE OF CONTENTS: [Abridged]

Foreword
Introduction

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STRELETSKIY, Nikolay Stanislavovich, prof., doktor tekhn. nauk; GENIYEV, A.N., prof.; BELENYA, Ye.I., doktor tekhn. nauk, prof.; BALDIN, V.A., ~~prof.~~ tekhn. nauk, dotsent; LESSIG, Ye.N., kand. tekhn. nauk, dotsent; TUBIN, S.M., kand. tekhn. nauk, nauchnyy red.; GORYACHEVA, T.V., red. izd-va; GILSON, P.G., tekhn. red.

[Metal construction] Metallicheskie konstruktsii. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1961. 776 p.

(MIRA 14:9)

1. Chlen-korrespondent AN SSSR i Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Streletskiy).
(Building, Iron and steel)

KIKIN, A.I., prof.; BELENYA, Ye.I., prof.; STRELETNIY, E.S., prof.,
doktor tekhn. nauk; LESSIG, Ye.N., dots.; LOMHAROV, K.K., dots.;
DUBINSKIY, G.S., dots.; SHESTAK, G.A., dots.; IGUMENOVA, V.S.,
dots.; KUMAROV, V.M., dots.; GANDYEV, A.M., prof.; VSENIKOV,
G.S., dots.; TUBIN, S.M., kand. tekhn. nauk, nauchnyy red.;
BEGAK, B.A., red. izd-va; OSENKO, L.M., tekhn. red.

[Metal construction; present state and outlook for future
development] Metallicheskie konstruksii; sostoianie i pre-
spektivy razvitiia. Pod obshchei red. N.S.Streletskogo. Mo-
skva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materi-
alam, 1961. 333 p. (MIRA 15:4)

1. Moscow. Moskovskiy inzhenerno-stroitel'nyy institut.
2. Kafedra metallicheskih konstruksiy Moskovskogo inzhenerno-
stroitel'nogo instituta imeni V.V.Kuybysheva (for all except
Tubin, Begak, Osenko).

(Building, Iron and steel)

(Aluminum, Structural)

SHESTAK, Georgiy Andrianovich, kand. tekhn. nauk; GENIYEV, A.N.,
prof., retsenzent; ZELYATOROV, V.N., inzh., nauchn. red.

[Designing steel structures for one-story industrial buildings]
Proektirovanie stal'nykh konstruktsii odnoetazhnogo promysh-
lennogo zdaniia. Moskva, Stroiizdat, 1964. 169 p.

(MIRA 17:4)

1. Kafedra metallicheskikh konstruktsiy Leningradskogo inzhe-
nerno-stroitel'nogo instituta (for Geniyev).

ACCESSION NR: AP4021210

S/0286/64/000/004/0012/0013

AUTHOR: Kudryavtsev, A. S.; Polukhin, P. I.; Karpov, S. P.; Polukhin, V. P.;
Golubchik, R. M.; Gendiyev, A. M.

TITLE: A method for internal shaping (calibration) of sheet mill rolls. Class 7,
No. 160496

SOURCE: Byul. izobret. i tovarn. znakov, no. 4, 1964, 12-13

TOPIC TAGS: sheet metal shaping, sheet metal profiling, sheet metal calibration,
sheet metal roller mill, sheet mill roll

ABSTRACT: This authorship certificate introduces a method for internal profiling (gauging) of sheet mill rolls. In order to produce sheets with more accurate geometrical dimensions and to increase the work life of the rolls, the roll profiling (calibration) is done on the interior surface. 2. A method on this same system which uses ready-made rolls. A material which has a low melting point in comparison with the roll metal and predetermined physical properties is used to flood the interior cavity of the roll.

Card 1/2

ACCESSION NR: AP4021210

ASSOCIATION: none

SUBMITTED: 17Jan63

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NO REF SOW: 000

OTHER: 000

Card 2/2

IVANIN, Ivan Yakovlevich; GUR'YEV, A.M., dokt. tekhn. nauk, prof.,
rektor; SIVULSKI, I.P., dokt. tekhn. nauk, prof.,
red.; VAKTYLOV, A.P., red.

[Structural mechanics] Stroitel'naya mekhanika. Kursy,
Vysshaya shkola, 1965. 430 p. (MIA 413)

1. Zaveduyushchiy kafedroy sooruzeniya i razvitiya
skovskogo instituta stali (for Gorky).

GENIYEV, G. A.

"Investigation of the Carrying Capacity of Bars Made From Elastic Plastic Material Unsuitable for Tension." Sub 9 Oct 51, Central Sci Res Inst of Industrial Structures (TsNIPS)

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

GENIYEV, G. A.

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L. 2170. Geniyev, G. A., ²⁶ A stability analysis of flat elastically supported hinge structures (in Russian), V. sb. Issledovaniya po stroitel'noy mekhanike, Moscow, Gos. izd-vo lit. po str-bu i arkhitektуре 79-89, 1954; Ref. no. 1692, Ref. Zh. Mekh. 1956.

Struct

An analysis is given of the stability of flat, vertical walls, loaded by their own weight, consisting of rigid, rectangular elements interconnected by cylindrical hinges and constrained by elastically yielding supports in the plane of each hinge.

The condition of stability is obtained by equating to zero the determinant of the system of homogeneous equilibrium equations set up for the hinges of the system. An evaluation is thus obtained of the number of rows (tiers) at which the system still remains stable.

A. I. Vinogradov, USSR

Courtesy of Referativnyi Zhurnal

Translation, courtesy Ministry of Supply, England

gim 0076

124-57-2-2278

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 117 (USSR)

AUTHOR: Geniyev, G. A.

TITLE: Theory of the Stationary Motion of a Pourable Medium (Teoriya ustanovivshegosya dvizheniya sypuchey sredy)

PERIODICAL: V sb.: Issledovaniye prochnosti, plastichnosti i polzuchesti stroit. materialov. Moscow, 1955 pp 45-56

ABSTRACT: The state of a pourable medium is examined for the plane deformation obtaining once the limit equilibrium is reached. A system of five equations is set up for the determination of the velocity field, wherein three equations of the theory of the limit equilibrium and the condition of incompressibility of the medium are employed. The fifth equation is adduced in two alternate forms; in the first case it is assumed that the streamlines coincide with the slide lines; in the second case it is specified that the directions of the maximum shearing velocities coincide with the directions of the slide lines. A transformation of the resulting system of equations is given, and methods for their solution are examined. It must be noted that the assumptions made by the author are tantamount

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124-57-2-2278

Theory of the Stationary Motion of a Pourable Medium (cont.)

to an infringement of the condition of the coincidence of the principal stress axes and the principal rate-of-strain axes. The problem of the determination of the velocity field within a pourable medium studied by A. Yu. Ishlinskiy (Ukr. matem. zh. , 1954, Vol 6, Nr 4) is examined.

V. G. Berezantsev

1. Liquids--Mathematical analysis 2. Liquids--Motion

Card 2/2

2. 1. 1.

2. 1. 1. "Problems of the dynamics of a friable medium." Central Sci
Inst of Industrial Structures (Ts'IPS). Moscow, 1966. (Dissertation
for the Degree of Doctor in Technical Science.)

"Kishnaya Lenta", No. 30, 1966. Moscow.

SOV /124-57-7-8242

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 7, p 121 (USSR)

AUTHOR: Geniyev, G. A.

TITLE: Some Problems of the Calculation of Rods With Nonlinear General Stress-strain Characteristics (Nekotoryye zadachi rascheta sterzhney pri obshchey nelineynoy zavisimosti napryazheniy ot deformatsiy)

PERIODICAL: V sb.: Issledovaniya po vopr. stroit. mekhan. i teorii plastichnosti. Moscow, 1956, pp 188-222

ABSTRACT: On the basis of an approximation of the dependence of stress σ and strain ϵ by means of a segment of the Fourier series

$$\sigma = \sum_{n=1}^m r_n \sin k_n \epsilon$$

the following strength-of-materials problems were studied: 1) Flexure of a straight beam, 2) torsion of a circular shaft, 3) eccentric compression, 4) stability of a centrally-compressed bar, and 5) the very simplest cases of statically-indeterminate problems of tension and compression.

Card 1/1

L. M. Kachanov

(GENIYEV, G. A.)

25(2)

P. 4

PHASE I BOOK EXPLOITATION

SOV/2165

Akademiya stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktsiy

Issledovaniya po voprosam teorii plastichnosti i prochnosti stroitel'nykh konstruktsiy; sbornik statey (Investigating of Problems in the Theory of Plasticity and Strength of Engineering Structures; Collection of Articles) Moscow, Gosstroyizdat, 1958. 211 p. 2,500 copies printed.

Ed.: A.R. Rzhanitsyn, Corresponding Member, Academy of Building and Architecture, USSR, Professor, Doctor of Technical Sciences; Ed. of Publishing House: N.O. Yegorova; Tech. Ed.: P.G. Gelenson.

PURPOSE: This collection of articles is intended for scientific workers concerned with the theory of structural design.

COVERAGE: The book consists of articles on the theory of plasticity, the dynamics of nonelastic systems, and the theory of elasticity. The articles deal with investigations of these problems in 1956

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Investigating of Problems (Cont.)

and 1957 at the Tsentral'nyy nauchno-issledovatel'skiy intitut stroitel'nykh konstruktsiy, ASIA SSSR (Central Scientific Research Institute of Structures, Academy of Building and Architecture, USSR). This collection of articles is the fourth of a series written by staff members of the Laboratory for Problems of Strength and the Laboratory of Structural Mechanics of TsNIISK. References follow most of the articles.

TABLE OF CONTENTS:

Foreword

3

Rzhanitsyn, A.R. [Corresponding Member, Academy of Building and Architecture, USSR, Doctor of Technical Sciences, Professor]. Design of Shells by the Method of Limit Equilibrium

As a base for his investigation, the author uses the simplified kinematic method for analysis of elastoplastic systems, which takes the effect of strain hardening and nonlinear deformation into account. He presents a number of solutions for the state of failure of thin-walled structures, such as thin plates and slightly curved and cylindrical shells. Use of this method for the design of reinforced concrete shells is also explained.

Card 2/6

Investigating of Problems (Cont.)

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Rzhanitsyn, A.R. Problem of Creep From Temperature and Humidity Effect 36

The author discusses a method of calculating creep caused by changes of temperature and humidity. The method includes the use of a variable scale of conditional time. The scale varies with temperature and humidity, while the properties of creep are not affected. This method solves the problem of calculating creep of a stretched bar during periodical wide-range temperature changes and the problem of calculating stresses generated during the drying of a rigidly fastened thin plate or film. This method is also satisfactory for solving creep problems in green concrete during setting time.

Rzhanitsyn, A.R. Limit Equilibrium of a Rectangular Plate Under a Concentrated Load Applied at an Arbitrary Point 50

The author discusses types of plate failure occurring at various positions of concentrated load.

Rzhanitsyn, A.R. The Problem of Movement of Elasto-plastic Beams and Plates Loaded Beyond the Limit of Their Carrying Capacity 62

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Investigating of Problems (Cont.)

SOV/2165

The article discusses sudden loading, during which the movement of a beam does not change in time. Also discussed is an extremal principle for determining the true form of movement of a beam or a plate under steady loading exceeding the carrying capacity of the structure.

Geniyev, G.A. [Candidate of Technical Sciences]. Some Problems of the Propagation of Compression Waves in Soil 72

The theory of the propagation of compression shock waves in ideally loose compressible soil is discussed. Calculations based on this theory are useful for determining pressure on underground structures during surface blast loading.

Geniyev, G.A. Some Problems in the Dynamics of Visco-plastic Media 123

Differential equations for plane steady motion of a viscoplastic medium are derived, and an approximate method for their solution is discussed.

Geniyev, G.A. Problem of Strength of Concrete 134

A relatively simple analytical expression for the strength of concrete is presented showing the behavior of concrete at

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compression and tension and giving results which agree with experimental data.

Estrin, M.I. [Candidate of Technical Sciences]. Theory of the Unsteady Motion of a Perfectly Plastic Body 145

Some problems of the dynamics of a perfectly plastic body under conditions of plane deformation are discussed.

Estrin, M.I. Design of Elastic Systems for Stationary Random Effects 155

The author analyzes the problem of the effect of occasional stationary loads (wind, temperature) on the elastic and non-linearly elastic systems by using the theory of stationary random functions. Formulas for relatively simple calculation of numerical mean values of displacements and deflections are derived.

Mileykovskiy, I.E. [Candidate of Technical Sciences]. Design of Massive Plates by the Variational Method Using Resolvent Functions for Displacements 173

Card 5/6

Investigating of Problems (Cont.)

SOV/2165

The author reduces the three thermoelastic DuHamel-Neumann equations to one equivalent polyharmonic resolvent equation of the sixth order (for each resolvent function) and uses the variational method to reduce the three-dimensional problem to a two-dimensional one. The application of resolvent functions to the problem of designing thick plates is shown.

AVAILABLE: Library of Congress (QA931.A55)

Card 6/6

GO/bg
9-15-59

GENIYEV, G.A.

[Characteristic lines and lines of minor ruptures in the plane
dynamic problem of plasticity] Kharakteristicheskie linii i li-
nii slabykh razryvov v ploskoi dinamicheskoi zadache plastich-
nosti. Moskva, TSentr.nauchno-issl.in-t stroit. konstruktsii,
1959. 8 p. (MIRA 15:1)

(Plasticity)

S/0124/63/000/012/V029/V029

ACCESSION NR: AR4015140

SOURCE: RZh. Mekhanika. Abs. 12V228

AUTHOR: Geniyev, G.A.

TITLE: Characteristic lines and weak rupture lines in the plane dynamic plasticity problem

CITED SOURCE: Tsentr. n.-i. in-t stroit. konstruktiv. Akad. str-va i arkhitekt. SSSR. M., 1959, 9 str.

TOPIC TAGS: characteristic line, weak rupture line, rupture line, plane dynamic plasticity, plane plasticity, dynamic plasticity

TRANSLATION: For an ideal plastic compressible medium subject to the Saint-Venant fluidity condition, the author determines the velocity of propagation of non-stationary weak rupture lines (for unstabilized motion) and the directional fields of stationary weak rupture lines (for stabilized motion). It is shown that the rates of propagation of weak rupture lines in the general case differ from the local velocity of sound; the velocities are the same only with the propagation of

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ACCESSION NR: AR4015140

weak rupture lines along the main stresses. In the case of stationary motion, the author discovered the existence of real characteristics with both supersonic (two families) and subsonic (four families) velocities. The orientation of the characteristic direction fields depends on the direction and magnitude of the velocity vector, as well as on the orientation of the main stress axes at the given point. The author points out the possibility of generalizing the results for the case of a fluidity condition of general form. G.S. Shapiro.

DATE ACQ: 31Dec 63

SUB CODE: PH, MM

ENCL: 00

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report presented at the 1st All Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb '60.

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an analogy with the flexure of a plate. Stroi. mekh. i rasch.
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14(9)

PHASE I BOOK EXPLOITATION

SOV/2504

Abramov, N. N., Doctor of Technical Sciences, Professor, N. N. Geniyev, Doctor of Technical Sciences, Professor, and V. I. Pavlov, Candidate of Technical Sciences, Docent

Vodosnabzheniye (Water-Supply Engineering) 3rd ed., rev. Moscow, Gosstroyizdat, 1958. 578 p. Errata slip inserted. 25,000 copies printed.

Reviewers (Division of Water-Supply Engineering, Leningrad Institute of Construction Engineers): L. F. Moshnin, Professor, D. M. Mints, Professor, S. K. Abramov, Docent, and F. I. Bondar', Engineer; Scientific Ed.: I. N. Krotov, Candidate of Technical Sciences; Ed. of Publishing House: A. P. Smirnova; Tech. Eds.: L. Ya. Medvedev, and L. M. Solntseva.

PURPOSE: The book is intended as a manual for students in construction-engineering schools studying water-supply and sewerage systems.

COVERAGE: The textbook discusses water-supply systems, planning and estimating water-supply networks, machinery and equipment, disinfection and softening of water, regulating and reserve capacities, and water supply for industrial and

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Water-Supply Engineering

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agricultural concerns. Materials from the Vodokanalproyekt Giprospetspromstroy, Giprokommunvodokanal, the Vodgeo Institute and other organizations were used in compiling this work. The author thanks L. F. Moshnin, D. M. Mints, G. M. Fedorovskiy, V. V. Abramov, I. I. Belen'kiy, M. M. Andriyashev, V. N. Pokrovskiy, A. A. Kastal'skiy, V. A. Klyachko, S. K. Abramov, I. G. Ryzhov, and F. I. Bondar'. There are 14 Soviet references.

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tekhn. nauk; GENIYEVA, A.N., prof., red.

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J. S. Joffe

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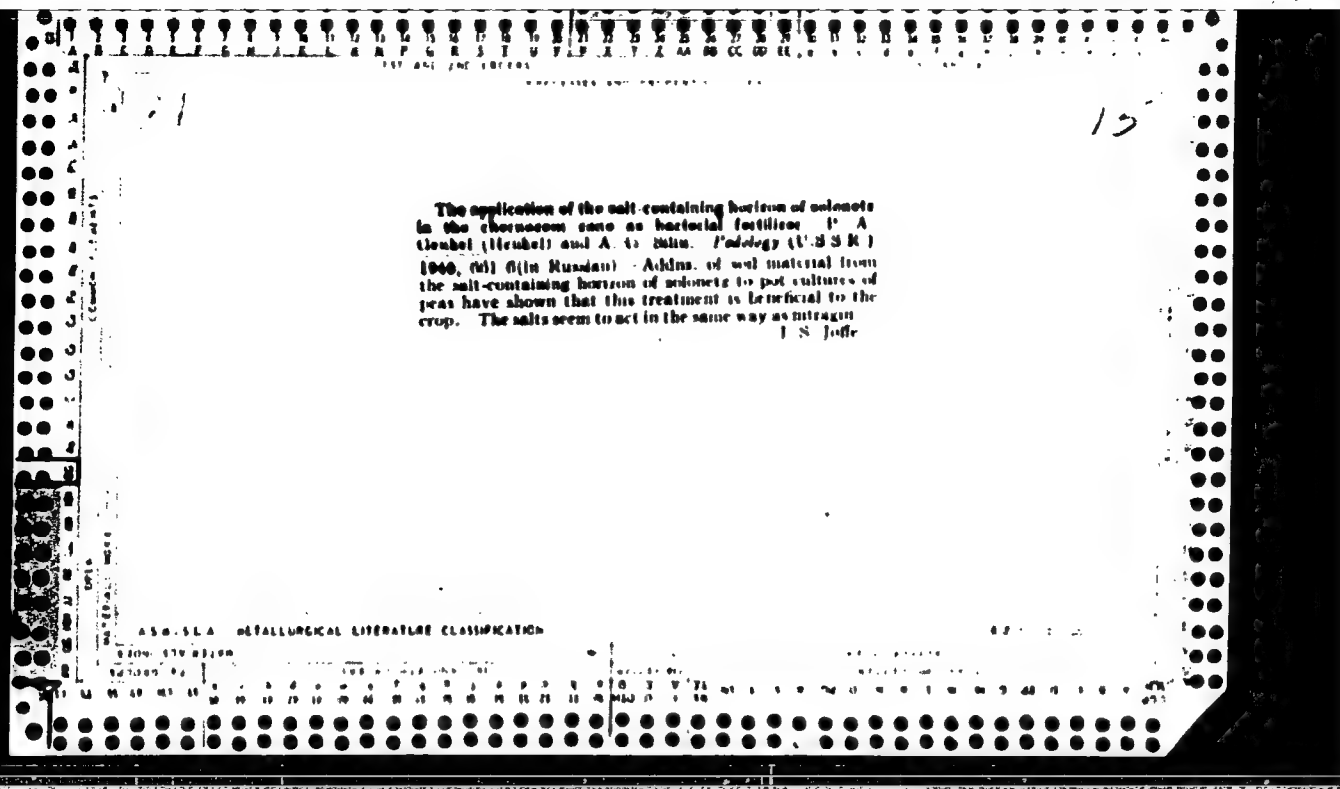
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PAZOT63

USSR/Medicine - Microscopy
Medicine - Cells - Nuclei

Dec 1946

"Application and Significance of Phase-contrast Microscopy Examination in Biologic Investigations," P. A. Henckel, Timiryazev Institute of Plant Physiology, Academy of Sciences of USSR, Moscow, 9 pp

"Mikrobiologiya" Vol IV, No 6

The phase-contrast microscope displaces the phase of the direct image with respect to the diffraction image by a quarter wave length, making possible the distinguishing of noncontrasting objects without the use of special methods of fixation and staining. It permits the observation of nuclei, karyokinesis, the

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USSR/Medicine - Microscopy (Contd.) Dec 1946

inner structure of bacteria, etc., in live objects. Study of the triple nature of lichen symbiosis has shown that in each of the six species of lichens studied, Azotobacter is easily discernible on the caudal layer. Observations on the nucleus of Al. lum cells lead to the conclusion that there is a more close contact between nucleus and plasma in the period of dormancy, which circumstance is responsible for normal growth process after plant has passed through dormancy.

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FA 36/49137

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Jan/Feb 48

"Reasons for the Resistance of Succulents to
High Temperatures," P. A. Genkel', K. P.
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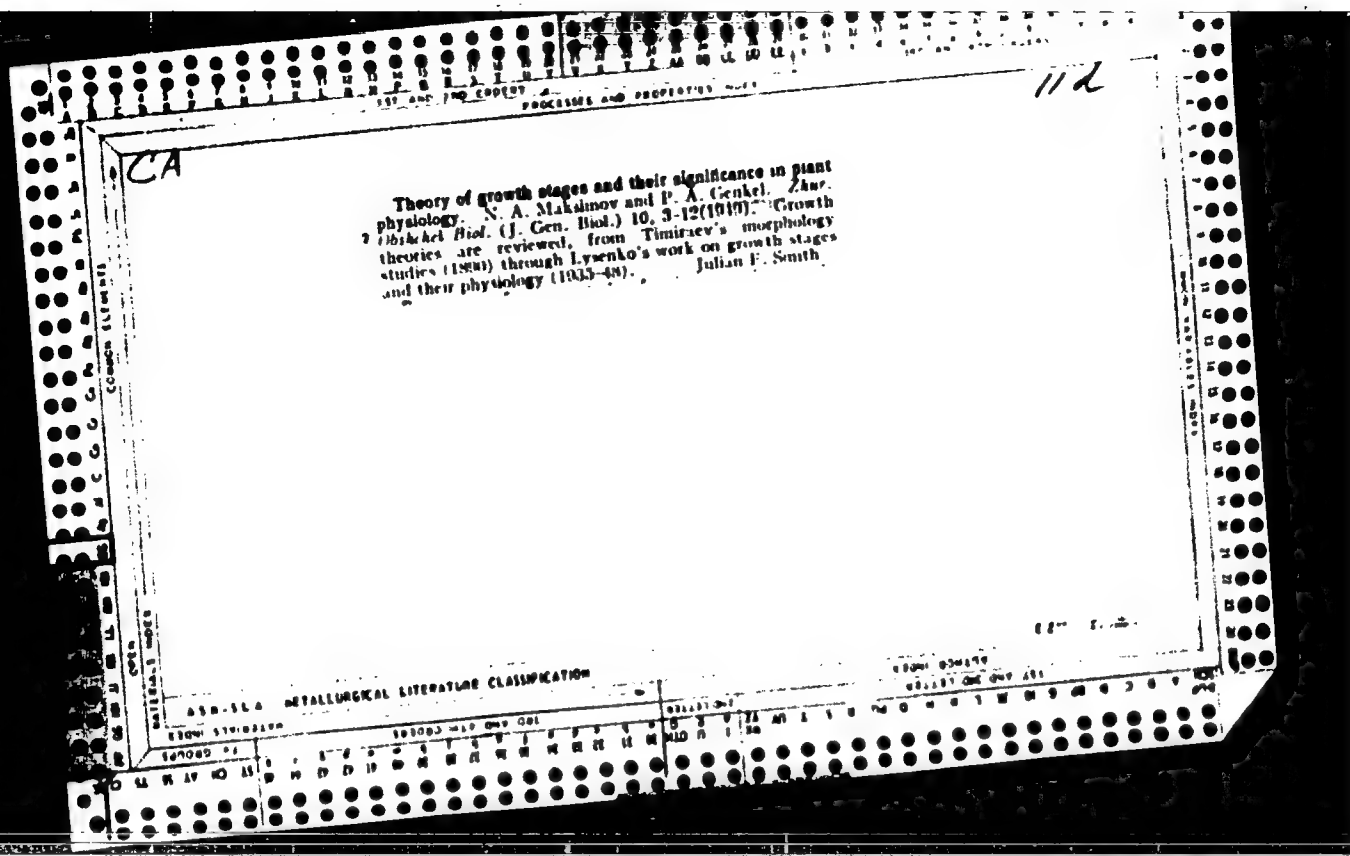
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PA 50/49T21

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damage was observed. The frost resistance of
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phases of the same plant depends on the viscosity
of the protoplasm. High viscosity seems to be
associated with good drought resistance and poor
frost resistance. This circumstance may be
important for the selective cultivation of plants
in different climatic regions. Subject headings:
1. Shelter belt effects. 2. Frost resistance of
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(Plant cells and tissues)

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(Botany--Physiology) (Plants--Frost resistance)

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(Plants--Frost resistance) (Botany--Physiology)

GENKEL', P.A.; OKNINA, Ye.Z.; TUMANOV, I.I., otvetstvennyy redaktor;
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[Determining frost resistance in plants according to depth of dormancy in tissues and cells; methodological instructions]
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GENKEL', Pavel Aleksandrovich, doktor biologicheskikh nauk, professor;
USPENSKAYA, N.V., redaktor; DMITRIYEVA, R.V., tekhnicheskii re-
daktor.

[Drought resistance in plants and ways of increasing it] Zasukho-
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(Plants--Water requirements)

GENKEL', P.A.; KURSANOV, A.L., akademik, redaktor.

[Salt resistance of plants and results of its induced increase]
Soleustoiichivost' rastenii i puti ee napravlenno go povysheniia.
Moskva, Izd-vo Akademii nauk SSSR, 1954. 82 p. (Tisiriasevskie
chtenia, vol. 12) (MLRA 7:8)
(Plants, Effect of salts on)

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BARANOV, P.A., redaktor; GENKEL', P.A., redaktor; KUPREVICH, V.P., redaktor; LAVRENKO, Y.M., redaktor; SOCHAVA, V.B., redaktor; SUKACHEV, V.N., redaktor; TIKHOMIROV, B.A., redaktor; SHISHKIN, B.K., redaktor; ZALENSKIY, O.V., redaktor.

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1. Vsesoyuznoye botanicheskoye obshchestvo.
(Botany)

GENKEL', P.A.; MARGOLINA, K.P.

Inheritance of acquired characteristics in sunflowers. Fisiol.
rast. 1 no.1:47-56 S-O '54. (MLRA 8:10)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva Akad.
nauk SSSR, Moscow
(Sunflowers) (Inheritance of acquired characters)

GENKEL' P. A.

USSR/Agriculture - Soil cultivation

Card 1/1 Pub. 124 - 9/26

Authors : Genkel', P. A., Dr. of Biol. Sc.

Title : Scientific bases of the T. S. Mal'tsev soil cultivation system

Periodical : Vest. AN SSSR 10, 43-47, Oct 1954

Abstract : The T. S. Mal'tsev theory is explained. The scientific bases are explained of a special soil -treating system introduced by Mal'tsev which, through practical application, has produced excellent results especially in wheat growing.

Institution :

Submitted :

GENKEL', P. A.

USSR/Agriculture - Soil preparation

Card 1/1 : Pub. 86 - 7/38

Authors : Genkel', P. A., Prof.; and Tavetkova, I. V.

Title : Conditions of the life of plants under the new system for working the soil

Periodical : Priroda 43/12, 57-61, Dec. 1954

Abstract : The author finds that the roots of yearly plants from humus only when they are deprived of oxygen and this principle is used to enrich the soil. Further, every four or five years, representing a cycle of crop rotation, the soil is plowed to a depth of half a meter with a special machine which does not invert the loosened earth as in ordinary plowing. This is done twice during the year in cross directions. A description is given of experimentation in soil enrichment through the growing of various grasses. Table; illustrations.

Institution :

Submitted :

GENKEL', P.A., prof.; SKAZKIN, F.D., prof.; BOGORAD, V.B., red.; MIROMYSEVA,
M.I., tekhn. red.

[Programs of pedagogical institutes; summer field work in plant
physiology for natural science faculties] Programmy pedagogiche-
skikh institutov; letniaya uchebnopolevaya praktika po fiziologii
rastenii dlia fakul'tetov estestvoznaniia. Moskva, Gos. uchebno-
pedagog. izd-vo M-va prosv. RSFSR, 1955. 15 p. (MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye vysskhikh
i srednikh pedagogicheskikh uchebnykh zavedeniy.
(Botany—Physiology—Study and teaching)

KUL'TIASOV, M.V., prof.; URANOV, A.A., dots.; GENDREL', P.A., prof., red.;
PONOMAREVA, A.A., tekhn. red.

[Programs of pedagogical institutes; botany for natural science
faculties] Programmy pedagogicheskikh institutov; botanika dlia
fakul'tetov estestvoznaniia. [Moskva] Uchpedgiz, 1955. 31 p.
(MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye vysshikh
i srednikh pedagogicheskikh uchebnykh zavedeniy.
(Botany--Study and teaching)